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→ JP11167715A ☒ 19990622

Title: (ENG) PRODUCTION OF MAGNETIC DISK SUBSTRATE

Abstract: (ENG)

PROBLEM TO BE SOLVED: To obtain a magnetic disk substrate capable of sufficiently dealing with the narrowing of a spacing between a head and a medium by the lower floating of the magnetic head with a recent trend toward higher density recording by making it possible to rapidly obtain the disk substrate having polishing quality of =5 pieces of scratches of Ra= 5 Å, Rmax=80 Å and depth =50 Å within the plane and =5 pieces of pits of a depth =50 Å within the plane by the simple process.

SOLUTION: This process for producing the magnetic disk substrate made of aluminum is characterized in that polishing is executed by using a colloidal polishing agent contg. 0.03 to 4.0 mol/l, more preferably 0.1 to 2.0 mol/l aluminum nitrate and silica particles of a grain size below 0.5 μm after processing to Ra=10 Å and Rmax=100 Å in a polishing stage after an Ni-P plating treatment.

Application Number: JP 34854197. A

Application (Filing) Date: 19971203

Priority Data: JP 34854197 19971203 A X

Inventor(s): AWAYA KURATA ; TADA KIYOSHI ; TOMITA KENJI

Assignee/Applicant/Grantee: SHOWA ALUMINUM CORP

IPC (International Class): G11B00584; B24B00100; B24B03700

Other Abstracts for This Document: DERABS C2000-209718

Patents Citing This One (1):

→ US6620216B2 20030916 KAO CORP JP
Polishing composition

Legal Status: There is no Legal Status information available for this patent



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